

Extra Reactions Homework (equation)

* Write a balanced reaction for the following while predicting reaction products. Include all states of matter.

- 1) magnesium reacts with sulfur.
- 2) Iron reacts with nitrogen (Consider Fe^{+3} state)
(Product)
- 3) Titanium reacts with chlorine.
(Consider Ti^{+2} state)
- 4) Calcium sulfite is decomposed.
- 5) Dinitrogen tetroxide is decomposed.
- 6) Chromium(III) nitrate is decomposed.
- 7) Nickel(II) phosphide is decomposed.